

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071125.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 11 17:57:40 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143071.D 5 =BF143072.D 10 =BF143073.D 20 =BF143074.D 40 =BF143075.D 50 =BF143076.D 60 =BF143077.D 80 =BF143078.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.604	0.610	0.637	0.577	0.567	0.588	0.559	0.592	4.62	
3)	Pyridine	1.515	1.496	1.557	1.395	1.401	1.426	1.369	1.451	4.89	
4)	n-Nitrosodimet...		0.804	0.857	0.800	0.784	0.806	0.781	0.805	3.41	
5) S	2-Fluorophenol	1.341	1.325	1.364	1.224	1.184	1.225	1.150	1.259	6.65	
6)	Aniline	1.667	1.645	1.708	1.548	1.517	1.552	1.469	1.587	5.53	
7) S	Phenol-d6	1.718	1.678	1.731	1.551	1.507	1.525	1.440	1.593	7.21	
8)	2-Chlorophenol	1.319	1.313	1.385	1.247	1.223	1.242	1.154	1.269	5.98	
9)	Benzaldehyde		1.142	1.143	0.928	0.895	0.875	0.737	0.953	16.82	
10) C	Phenol	1.771	1.726	1.791	1.599	1.553	1.600	1.484	1.646	7.11	
11)	bis(2-Chloroet...	1.428	1.353	1.401	1.266	1.225	1.231	1.173	1.297	7.52	
12)	1,3-Dichlorobe...	1.590	1.526	1.545	1.375	1.344	1.359	1.277	1.431	8.40	
13) C	1,4-Dichlorobe...	1.561	1.526	1.557	1.384	1.345	1.372	1.287	1.433	7.83	
14)	1,2-Dichlorobe...	1.500	1.429	1.462	1.286	1.243	1.261	1.157	1.334	9.69	
15)	Benzyl Alcohol		1.197	1.288	1.183	1.147	1.195	1.131	1.190	4.60	
16)	2,2'-oxybis(1-...	2.639	2.520	2.577	2.306	2.197	2.225	2.073	2.363	9.16	
17)	2-Methylphenol	1.108	1.089	1.129	1.014	1.003	1.025	0.972	1.049	5.68	
18)	Hexachloroethane	0.439	0.454	0.496	0.463	0.459	0.468	0.449	0.461	3.91	
19) P	n-Nitroso-di-n...	1.056	1.056	1.046	1.054	0.926	0.909	0.925	0.870	0.980	8.13
20)	3+4-Methylphenols		1.400	1.447	1.278	1.240	1.252	1.156	1.295	8.34	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.524	0.498	0.500	0.447	0.434	0.450	0.418	0.467	8.44	
23) S	Nitrobenzene-d5		0.201	0.258	0.283	0.299	0.323	0.316	0.280	16.20	
24)	Nitrobenzene	0.196	0.238	0.297	0.313	0.322	0.345	0.330	0.292	18.59	
25)	Isophorone	0.643	0.621	0.642	0.592	0.574	0.604	0.579	0.608	4.66	
26) C	2-Nitrophenol	0.040	0.048	0.075	0.100	0.115	0.135	0.138	0.093	42.74#	
27)	2,4-Dimethylph...	0.220	0.215	0.230	0.219	0.215	0.226	0.216	0.220	2.65	
28)	bis(2-Chloroet...	0.440	0.417	0.426	0.386	0.373	0.388	0.368	0.400	7.02	
29) C	2,4-Dichloroph...	0.233	0.254	0.274	0.263	0.259	0.271	0.258	0.259	5.17	
30)	1,2,4-Trichlor...	0.323	0.305	0.314	0.291	0.281	0.289	0.277	0.297	5.85	
31)	Naphthalene	1.101	1.045	1.066	0.946	0.925	0.948	0.888	0.988	8.20	
32)	Benzoic acid		0.049	0.083	0.115	0.133	0.160	0.173	0.119	39.56	
33)	4-Chloroaniline	0.351	0.352	0.359	0.319	0.316	0.328	0.313	0.334	5.77	
34) C	Hexachlorobuta...	0.185	0.178	0.183	0.169	0.167	0.174	0.164	0.174	4.61	
35)	Caprolactam		0.065	0.076	0.074	0.070	0.077	0.073	0.073	6.39	
36) C	4-Chloro-3-met...	0.266	0.274	0.295	0.283	0.271	0.288	0.271	0.279	3.81	
37)	2-Methylnaphth...	0.720	0.694	0.697	0.619	0.600	0.614	0.578	0.646	8.70	
38)	1-Methylnaphth...	0.711	0.658	0.664	0.602	0.574	0.591	0.552	0.622	9.16	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.623	0.607	0.623	0.568	0.570	0.571	0.539	0.586	5.48	
41) P	Hexachlorocycl...	0.101	0.133	0.146	0.159	0.172	0.166	0.146	17.90		
42) S	2,4,6-Tribromo...	0.104	0.131	0.156	0.157	0.156	0.169	0.163	0.148	15.48	
43) C	2,4,6-Trichlor...	0.247	0.279	0.358	0.343	0.348	0.359	0.357	0.327	13.76	
44)	2,4,5-Trichlor...	0.288	0.319	0.341	0.359	0.360	0.376	0.346	0.341	8.71	
45) S	2-Fluorobiphenyl	1.449	1.400	1.378	1.201	1.197	1.179	1.102	1.272	10.50	
46)	1,1'-Biphenyl	1.738	1.666	1.676	1.509	1.504	1.494	1.406	1.570	7.78	
47)	2-Chloronaphth...	1.225	1.183	1.213	1.097	1.096	1.107	1.040	1.137	6.13	
48)	2-Nitroaniline	0.090	0.131	0.197	0.251	0.270	0.303	0.304	0.221	38.30	
49)	Acenaphthylene	1.782	1.764	1.796	1.617	1.585	1.624	1.521	1.670	6.55	
50)	Dimethylphthalate	1.279	1.290	1.325	1.230	1.185	1.240	1.151	1.243	4.92	
51)	2,6-Dinitrotol...	0.081	0.124	0.172	0.203	0.212	0.238	0.234	0.180	32.63	
52) C	Acenaphthene	1.236	1.187	1.187	1.086	1.069	1.087	1.022	1.125	6.97	
53)	3-Nitroaniline	0.096	0.143	0.193	0.222	0.229	0.257	0.247	0.198	29.78	
54) P	2,4-Dinitrophenol	0.020	0.028	0.043	0.047	0.063	0.067	0.045#	41.59		
55)	Dibenzofuran	1.810	1.740	1.747	1.593	1.563	1.578	1.466	1.642	7.57	
56) P	4-Nitrophenol	0.096	0.139	0.165	0.167	0.189	0.180	0.156	21.67		
57)	2,4-Dinitrotol...	0.074	0.113	0.179	0.221	0.227	0.266	0.260	0.191	38.41	
58)	Fluorene	1.366	1.326	1.315	1.152	1.103	1.121	1.032	1.202	10.87	
59)	2,3,4,6-Tetrac...	0.211	0.245	0.296	0.292	0.286	0.306	0.290	0.275	12.50	
60)	Diethylphthalate	1.157	1.188	1.226	1.146	1.077	1.150	1.061	1.144	5.06	
61)	4-Chlorophenyl...	0.663	0.633	0.646	0.578	0.555	0.574	0.535	0.598	8.21	
62)	4-Nitroaniline	0.095	0.128	0.167	0.186	0.178	0.207	0.200	0.166	24.51	
63)	Azobenzene	1.404	1.365	1.400	1.281	1.221	1.274	1.168	1.302	6.99	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.019	0.034	0.050	0.058	0.071	0.077	0.051	42.99		
66) c	n-Nitrosodiphe...	0.724	0.694	0.718	0.664	0.684	0.680	0.646	0.687	4.02	
67)	4-Bromophenyl-...	0.236	0.228	0.242	0.227	0.230	0.237	0.227	0.232	2.58	
68)	Hexachlorobenzene	0.245	0.233	0.242	0.227	0.229	0.236	0.225	0.234	3.28	
69)	Atrazine	0.137	0.156	0.170	0.142	0.144	0.145	0.130	0.146	9.00	
70) C	Pentachlorophenol	0.089	0.119	0.135	0.141	0.154	0.149	0.131	18.16		
71)	Phenanthrene	1.209	1.153	1.173	1.053	1.037	1.058	0.988	1.096	7.49	
72)	Anthracene	1.141	1.120	1.141	1.033	1.027	1.040	0.975	1.068	6.14	
73)	Carbazole	0.947	0.933	0.952	0.867	0.833	0.855	0.794	0.883	6.98	
74)	Di-n-butylphth...	0.702	0.805	0.933	0.925	0.893	0.964	0.908	0.876	10.45	
75) C	Fluoranthene	1.012	0.998	1.020	0.913	0.878	0.920	0.859	0.943	7.01	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.238	0.231	0.433	0.620	0.464	0.396	0.397	37.11		
78)	Pyrene	2.012	1.983	1.960	1.728	1.505	1.624	1.420	1.747	13.87	
79) S	Terphenyl-d14	1.350	1.315	1.284	1.133	1.006	1.068	0.948	1.158	13.81	
80)	Butylbenzylpht...	0.156	0.200	0.277	0.318	0.331	0.367	0.367	0.288	28.46	
81)	Benzo(a)anthra...	1.300	1.272	1.352	1.233	1.252	1.318	1.228	1.279	3.60	
82)	3,3'-Dichlorob...	0.268	0.333	0.345	0.394	0.388	0.388	0.353	13.76		
83)	Chrysene	1.215	1.214	1.236	1.193	1.206	1.184	1.151	1.200	2.25	
84)	Bis(2-ethylhex...	0.363	0.404	0.490	0.525	0.583	0.585	0.592	0.506	18.26	
85) c	Di-n-octyl pht...	0.565	0.770	0.941	1.105	1.134	1.207	0.954	25.88		

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		-----ISTD-----								
86) I	Perylene-d12									
87)	Indeno(1,2,3-c...	1.310	1.338	1.470	1.392	1.343	1.429	1.339	1.374	4.22
88)	Benzo(b)fluora...	1.113	1.120	1.269	1.229	1.168	1.166	1.173	1.177	4.74
89)	Benzo(k)fluora...	1.034	1.039	1.103	0.997	0.988	1.125	0.990	1.039	5.29
90) C	Benzo(a)pyrene	0.926	0.955	1.057	1.024	1.004	1.067	1.006	1.006	5.07
91)	Dibenzo(a,h)an...	1.047	1.086	1.210	1.148	1.102	1.172	1.092	1.122	5.02
92)	Benzo(g,h,i)pe...	1.157	1.152	1.254	1.195	1.150	1.217	1.139	1.181	3.64

(#) = Out of Range